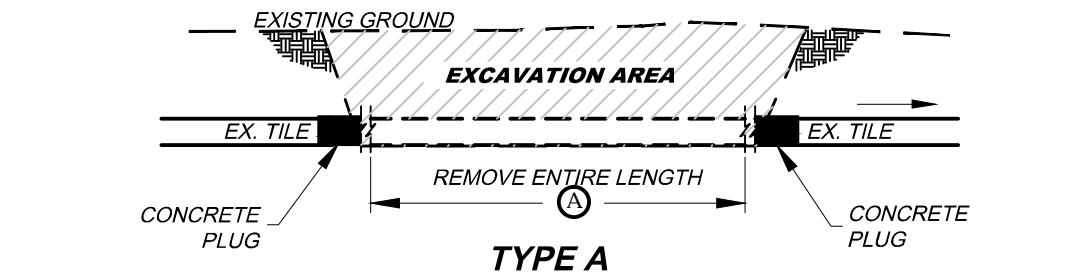
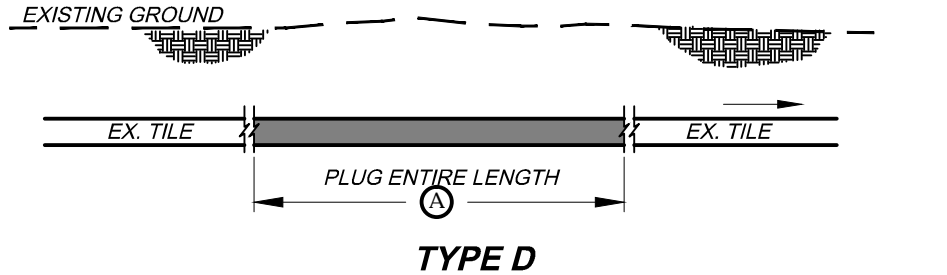
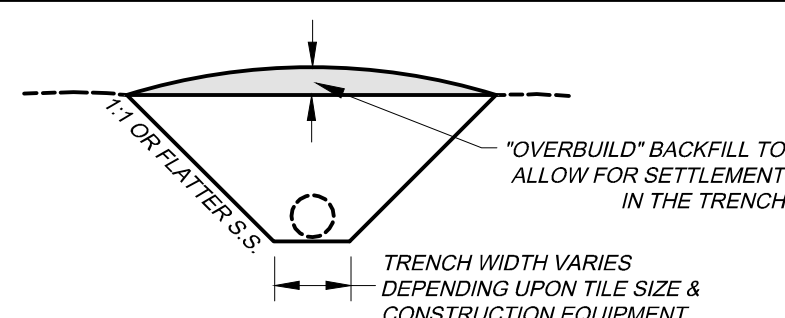
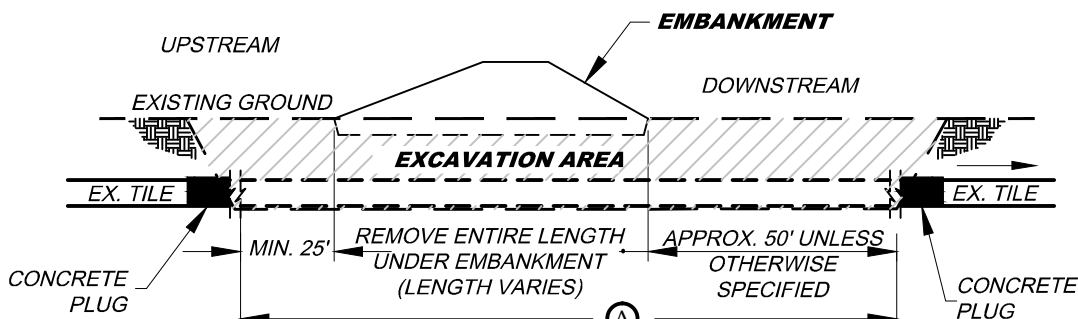
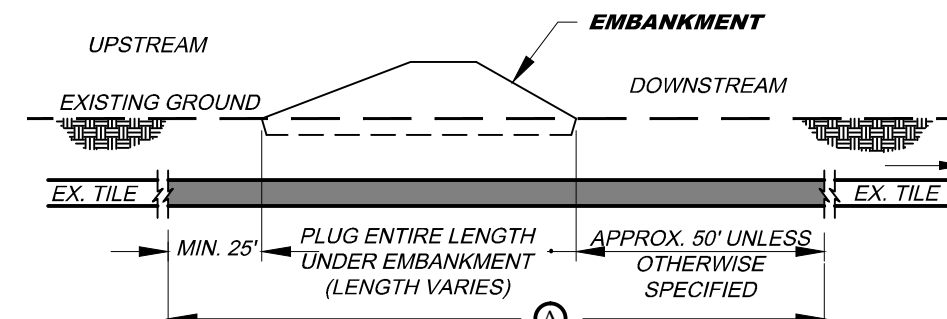
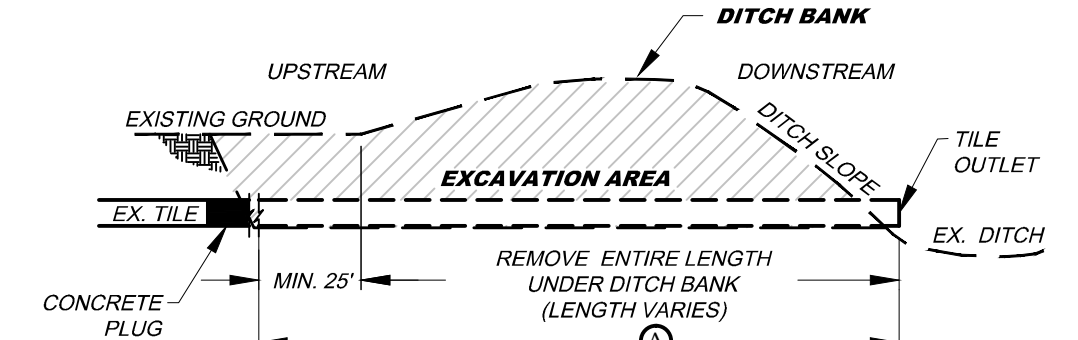
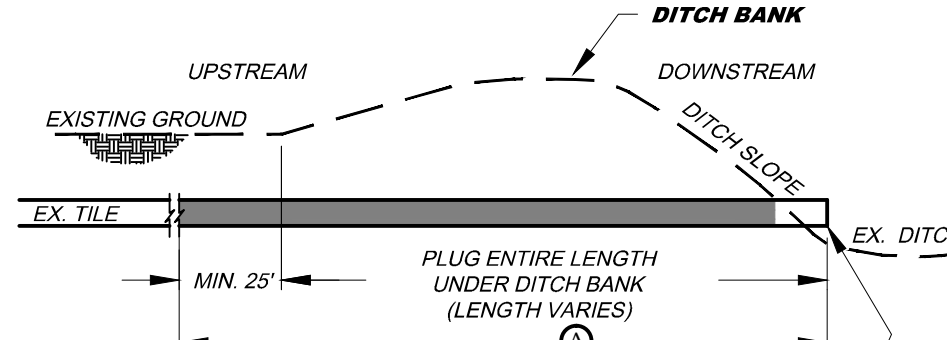



TILE BLOCK DESIGN TABLE				TILE BLOCK DETAILS									
TYPE OF TILE BLOCK (A, B, C, D, E OR F)	Ⓐ LENGTH OF TILE TO BE BLOCKED (FT PER LOCATION)	NUMBER OF TILE BLOCKS (#)	TOTAL (LN.FT.)	<div>TILE REMOVAL NOT TO SCALE</div>  <div>TYPE A</div>		<div>TILE PLUGGING NOT TO SCALE</div>  <div>TYPE D</div>							
 <div>TILE REMOVAL TRENCH (TYPICAL)</div> <div>NOT TO SCALE</div>				 <div>TYPE B</div>		 <div>TYPE E</div>							
<div>CONSTRUCTION REQUIREMENTS</div> <p>SHOULD UNEXPECTED DRAIN TILE (NOT SHOWN ON PLAN DRAWINGS) BE DISCOVERED DURING CONSTRUCTION THE PROJECT ENGINEER SHALL BE CONTACTED FOR APPROPRIATE COURSE OF ACTION FOR THE TILE BLOCK.</p> <p>TILE REMOVAL (EXCAVATION):</p> <ul style="list-style-type: none">THE WORK SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLETE THE EXCAVATION AND REMOVAL OF ALL IDENTIFIED TILE DRAINAGE SYSTEMS.IDENTIFIED DRAINAGE TILE SHALL BE EXCAVATED AND REMOVED AS REQUIRED BY THE DRAWINGS, AS STAKED, OR AS OTHERWISE SPECIFIED BY THE ENGINEER.UNLESS OTHERWISE SPECIFIED, ALL FRAGMENTS OF THE DRAINAGE TILE SHALL BE REMOVED FROM THE EXCAVATED TRENCH AND ASSOCIATED BACKFILL MATERIAL.EACH END OF THE EXPOSED DRAINAGE TILE IN THE EXCAVATED TRENCH SHALL BE PLUGGED WITH CONCRETE (MIN. 2' IN LENGTH). PLUGS SHALL BE WATER TIGHT.BACKFILL AND TAMP BY HAND A MINIMUM DISTANCE OF TWO FEET AROUND EACH SEALED TILE END WITH SUITABLE SOIL MATERIAL. BACKFILL THE REMAINING TRENCH WITH THE MOST SUITABLE MATERIAL AVAILABLE AND COMPACT TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE SURROUNDING UNDISTURBED SOIL. <p>TILE PLUGGING:</p> <ul style="list-style-type: none">THE WORK SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLETE THE PLUGGING OF ALL IDENTIFIED TILE DRAINAGE SYSTEMS.IDENTIFIED DRAINAGE TILE SHALL BE PLUGGED AS REQUIRED BY THE DRAWINGS, AS STAKED, OR AS OTHERWISE SPECIFIED BY THE ENGINEER.MEANS TO ACCESS THE TILE DRAINAGE SYSTEM TO CONSTRUCT APPROPRIATE PLUGS SHALL BE APPROVED BY THE ENGINEER.CONSTRUCTED PLUGS SHALL BE MADE PERMANENT AND WATERTIGHT. METHODS TO PLUG THE TILE SYSTEM INCLUDE USING SAND SLURRY MIXES, CONCRETE GROUT, OR CERTAIN EXPANDING POLYURETHANE FOAMS. IF PLUGGING METHOD IS NOT SPECIFIED, THE METHOD PROPOSED REQUIRES ENGINEER'S APPROVAL.AREAS THAT ARE EXCAVATED TO ACCESS THE TILE SYSTEM SHALL BE CAREFULLY BACKFILLED AND COMPACTED IN LIFTS WITH SUITABLE SOIL MATERIAL. BACKFILL SHALL BE COMPACTED TO A DENSITY EQUAL TO SURROUNDING UNDISTURBED SOIL.								 <div>TYPE C</div>		 <div>TYPE F</div>			
				<div>I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.</div> <div>PRINT NAME : SIGNATURE : LICENSE # : DATE :</div>		<div>WETLAND RESTORATION PLAN</div> <div>TILE BLOCK DETAIL SHEET</div> <div>APPROVED BY : PROJECT # : COUNTY : PLAN SHEET OF</div> <div><div>STANDARD SHEET # BWSR-105</div></div>							